Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Improvements to roads and Drains in Basaweshwara Road L/s, near 8th 'D' Cross road, Balance portion in Ward no. 13, in Shettyhalli Sub- Division

Est .Cost Rs. 8.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.2: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2013-14	Cum							
	Surrounding Cross roads		2	35.00	0.45	0.45	14.18		
	Cross		2	20.00	0.45	0.45	8.10		
							22.28	124.02	2763.00
	Basic Rate	117.00							
	Area Weightage 6%	7.02							
		124.02							
2	Removing B.S.Slab of drain and stacking.. Page No. 28/ Item No. 5.32/ PWD SR 2013-14	Sqm							
	Covering slabs		2	10.00		1.35	27.00		
	Cross		2	8.00		1.35	21.60		
							48.60		
	Missing 15%						7.29		
							41.31	49.18	2032.00
	Basic Rate	46.40							
	Area Weightage 6%	2.78							
		49.18							
3	Refixing stone slabs of drains and pointing in CM (1:3). Page No. 28/ Item No. 5.33/ PWD SR 2013-14	Sqm							
	Qty vide item no-2						**41.31**	68.74	2840.00
	Basic Rate	64.85							
	Area Weightage 6%	3.89							
		68.74							
4	Providing Granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick. Page No. 28/ Item No. 5.31.1/ PWD SR 2013-14	Sqm							
	Missed Qty 15% of Item no. 5						7.29		

							7.29	337.08	**2457.00**
	Basic Rate	318.00							
	Area Weightage 6%	19.08							
		337.08							
5	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2013-14	Cum							
	RCC drain - Basaweshwara Road L/s		1	60.00	1.10	1.20	79.20		
	Concrete Road - Damaged Road Cutting		1	15.00	4.00	0.20	12.00		
	Culverts		2	5.00	2.00	1.20	24.00		
							115.20	148.93	**17157.00**
	Basic Rate	140.50							
	Area Weightage @ 6%	8.43							
		148.93							
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2013-14	Cum							
	RCC drain		1	60.00	1.10	0.15	9.90		
	CC Road		1	15.00	4.00	0.10	6.00		
	Culverts		2	5.00	1.80	0.15	2.70		
							18.60	4413.84	**82097.00**
	Basic Rate	4164.00							
	Area Weightage @ 6%	249.84							
	Total	**4413.84**							

7	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2013-14	Cum							
	For Culverts		4	5.00	0.60	0.80	9.60		
							9.60	5208.84	**50005.00**
	Basic Rate	4914.00							
	Area Weightage @ 6%	294.84							
	Total	**5208.84**							
8	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 19/ Item No. 4.48.1/ PWD SR 2013-14								
	dameged road Cutting	Cum	1	15.00	4.00	0.15	9.00		
							9.00	6345.16	**57106.00**
	Basic Rate	5986.00							
	Area Weightage 6%	359.16							
	Total	**6345.16**							
9	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2013-14								
	Walls	Cum	2x1	60.00	0.15	0.90	16.20		
	Bed		1	60.00	0.60	0.15	5.40		
							21.60		
	For Culvert Covering		2	5.00	1.80	0.23	4.14	B	
	For Culvert Coping		4	5.00	0.60	0.10	1.20		
	For approach		4	5.00	0.60	0.15	1.80		
							28.74		
							28.74	5535.32	**159035.00**
	Basic Rate	5222.00							
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							

10	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3. for TMT Bars Fe 415. Page No. 19/ Item No. 4.46/ PWD SR 2013-14								
		Qtls		25.74	x	60kgs	15.44		
							15.44	7244.04	**111877.00**
	Basic Rate	6834.00							
	Area Weightage @ 6%	410.04							
	Total	7244.04							
11	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 17/ Item No. 4.35/ PWD SR 2013-14	Sqm							
	for RCC drain Walls		2x2	60.00		0.90	216.00		
							216.00	311.64	**67314.00**
	Basic Rate	294.00							
	Area Weightage @ 6%	17.64							
		311.64							
12	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
			1	60.00	0.90		54.00		
	Precast Slab - Covering Balance		1	30.00	0.90		27.00		
	Missed Slabs		30	0.60	0.90		16.20		
	Approved Rate of Precast slab	1600							
	Data rate for precast slab of 100MM thick						**97.20**	1600	**155520.00**
13	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 3 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR 2013-14)								
	Qty Vide Item No 1+5	Cum					**137.48**		
							137.48	74.07	**10183.00**

	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage @ 6%	4.19							
	Total	74.07							
							Total Rs.		720436
13	Add: 10% KRIDL charges + 1% Cess								79248
14	Miscelleneous and unforseen Charges								316
									800000.00
(Rupees Eight Lakhs Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2013-14
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

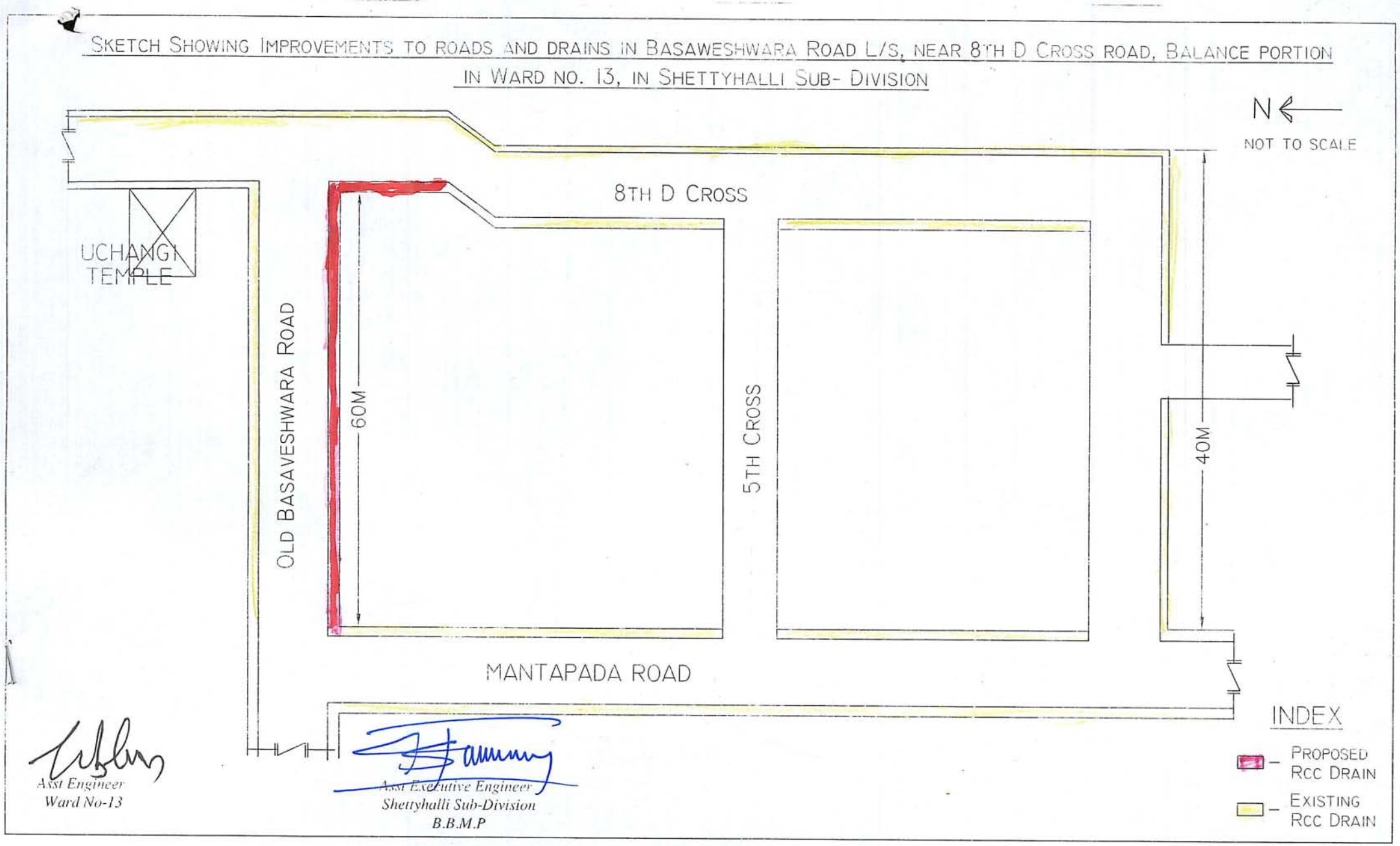
Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

A/S
ನಂ. AC(DH) AS/25/14-15 ದಿನಾಂಕ: 02/09/14
ರೂ. 08.00 Lakhs (Rupee Eight Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page No. 017
Sl. No. 25
ಆಪರ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

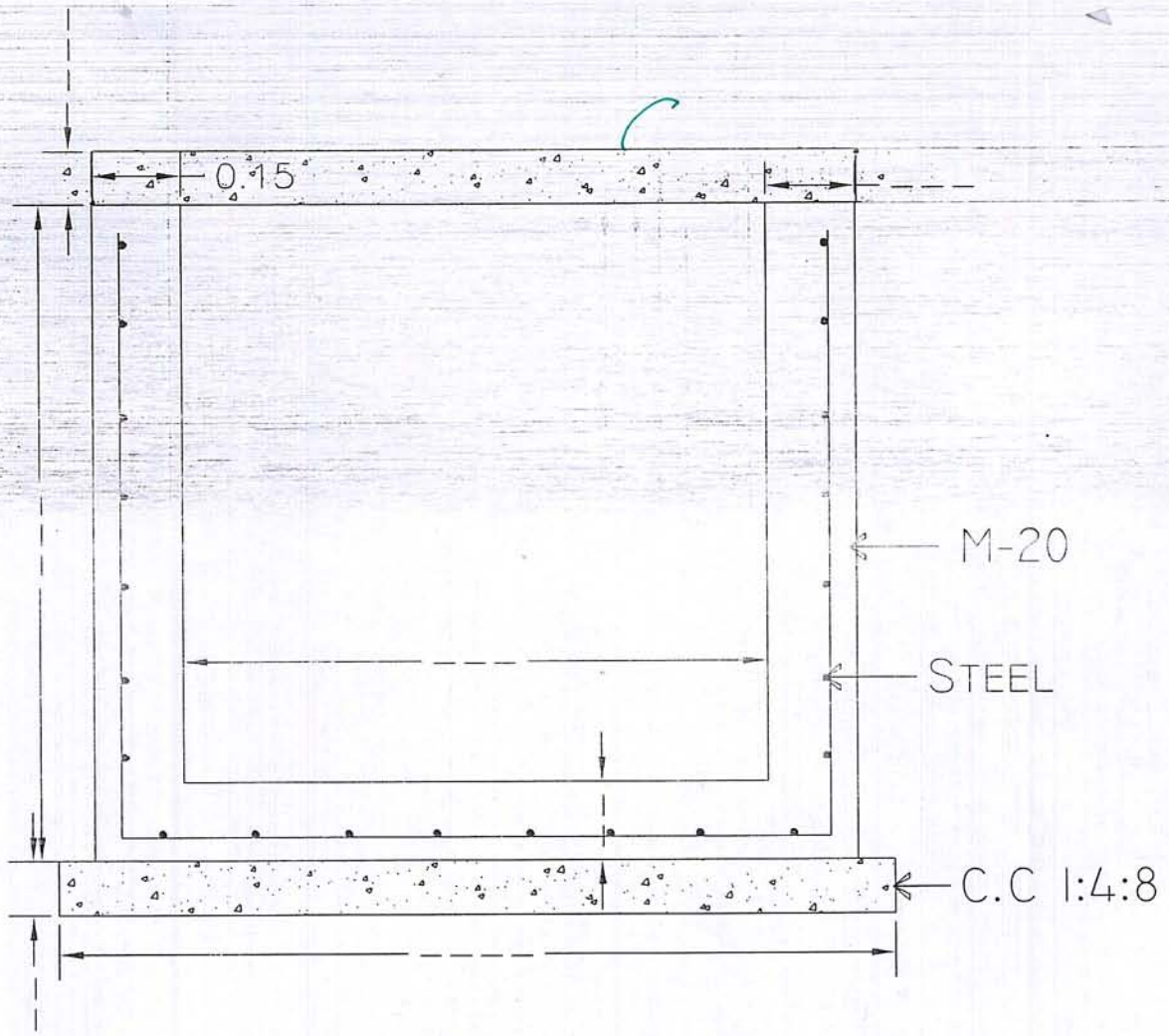
ನಂ.EE/DH/TS/22/14-15 ದಿನಾಂಕ: 02/9/2014
ರೂ. 8.00 Lakhs (Rupees Eight Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ರಸ್ತೆ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

SKETCH SHOWING IMPROVEMENTS TO ROADS AND DRAINS IN BASAWESHWARA ROAD L/S, NEAR 8TH D CROSS ROAD, BALANCE PORTION IN WARD NO. 13, IN SHETTYHALLI SUB- DIVISION



Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P



TYPICAL CROSS SECTION OF RCC DRAIN

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P